

# ZAHNBUERSTE

## Bibliographic data

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<Desc/Clsms PAGE NUMBER 1>

Toothbrush DievorliegendeNeuerungbetrifft eineZahnbürstemit mehreren at the toothbrush head detachably secured, rotatable round brushes, u in each case of a carrier and the bristles attached at carriers consist. With the known toothbrushes of the genericin accordance with-eaten type the carriers are provided and snapped open on at the toothbrush head a CD attached, the axis of rotation formed ball head that the bristles of opposite side with a ball förmigen recess. By the recesses the carriers weakened and except w@ the RD become the space reduced standing for the determination of the bristles for the order. The present innovation is the basis the object to repair the managing described Hachteil and one would genericin accordance with-eat toothbrush to arrange in such a way that the questioners make one possible t'c problem-free Beborstung.

This object becomes innovation in accordance with by the fact dissolved that each carrier with its is the bristles remote bottom portion into a camp recess of the toothbrush head snapped. The carrier of each Rundbürste is more useful by this measure over its entire base for a Beborstung full, so that not only several bristle row can be able to become problem-free mounted, but also easily an inclination of the bristle rows outward realized become.

Limitations with the Beborstung of the carriers escape complete, without impairing the overall function of the toothbrush.

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Other features of the innovation are subject-matter of Unteransprüchen. Embodiments of the innovation are in the with added drawing shown and become in the following more near described.

Show: Fig. 1 a longitudinal section by one would innovation-in accordance with-cat Toothbrush in the head portion.

Fig. 2 a view toward the arrow II in Fig. 1 Fig. 3 a round brush in the section with dash-dotted suggested toothbrush head after an other

Embodiment of the innovation.

Into the Fig. 1 and 2 toothbrush shown 10 is with three round brushes 11 provided, which are releasable and rotatable at the u toothbrush head 12 attached. Each round brush 11 consists of a carrier 13 and the bristles 14 attached to it.

At that the bristles 14 opposite side each carrier 13 provided with a formed journal 15 is. This journal 15 is into a corresponding formed camp recess 16 of the toothbrush head 12 snapped. Inertial 13 and journals 15 are integral in each case from plastic manufactured.

The journals are favourable-prove kugelförmig formed, since by this form both the light rotatable is as well as the required axial determination of the round brushes ensured. Since the carriers are 13 weakened by no recesses, they can become relative flat held.

For a problem-free Beborstung genügend "Fleisch" is present.

In Fig. 3 is an embodiment of the innovation shown, is 13 direct with which the carrier into a camp recess 16 of the toothbrush head 12 snapped. On an additional ..... -

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One did without to journals.

By the imbedding of an essential part of the carrier 13 into the toothbrush head 12 the entire overall height of very small held becomes. At the underside of the carrier 13 a central Drehschneide is 17 formed, those ensured that between the underside of the carrier 13 and the bottom surface the depot taking 16 remains a short distance present. The good rotatable of the carrier 13 in the camp recess 16 is ensured thus also in the long term.

With the embodiment in accordance with Fig. 3 is it particularly convenient to implement the carrier 13 of each round brush 11 in the diameter large as the width of the toothbrush head 12. From it 16 openings at the long sides of the toothbrush head in the region of each camp recess, which facilitate the cleaning "A C-11-1, for the toothbrush within the bearing points of the round brushes 11, result. It is pointed out express that the partial imbedding of the carriers is 13 in the toothbrush head 12 also possible with the embodiments, with which the carriers 13 with a separate journal is provided.

S C h u t z A b s p r u C h e 1.) Toothbrush with several, rotatable round brushes attached at the toothbrush-head-releasable, which consist in each case of a carrier and the bristles attached at the carrier, characterised in that each carrier (13) with its bristles (14) remote bottom portion ci into a camp recess (16) of the toothbrush head (12) snapped is.

2. ) Toothbrush according to claim 1, characterised in that at that the bristles (14) opposite side of each carrier (13) a journal (15) formed is, which is into a corresponding formed camp recess (16) of the ZahnbürstenL of head (12) snapped.

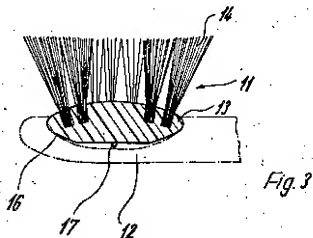
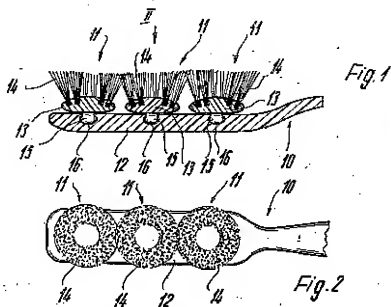
3.) Toothbrush according to claim 2, characterised in that the carriers (13) together with journal (15) integral from plastic made are. r2 4.) After toothbrush preceding claims, characterised in that each carrier (13) for instance to the half in the Zahnbürstenkopf (12) embedded is.

5.) Toothbrush according to claim 1, characterised in that at the underside of the carriers (13) a central arranged turning point (17) formed is, which rests upon the bottom of the u respective camp recess (16).

6. ) Toothbrush after one of the preceding claims, characterised in that of the diameters of the carriers (13) is larger as the width of the toothbrush head (12).

7.) Toothbrush according to claim 2, characterised in that the journals (15) spherical formed are.

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